FIGURE 1

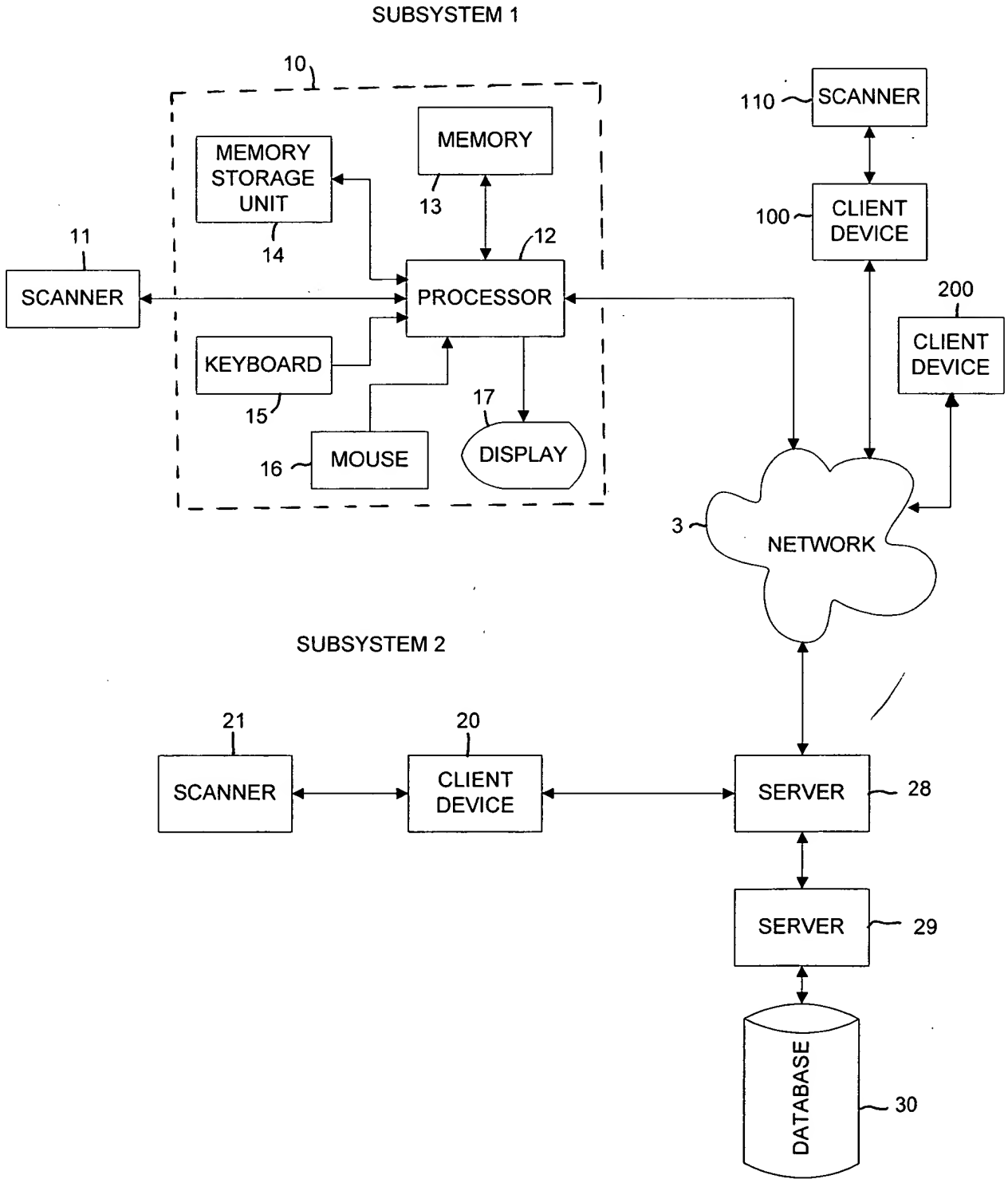

SUBSYSTEM 1
10
MEMORY
MEMORY STORAGE UNIT
13
14
11
12
SCANNER
PROCESSOR
KEYBOARD
15
17
16
MOUSE
DISPLAY
110
SCANNER
100
CLIENT DEVICE
200
CLIENT DEVICE
3
NETWORK
SUBSYSTEM 2
21
20
SCANNER
CLIENT DEVICE
SERVER
28
SERVER
29
DATABASE
30

FIGURE 2

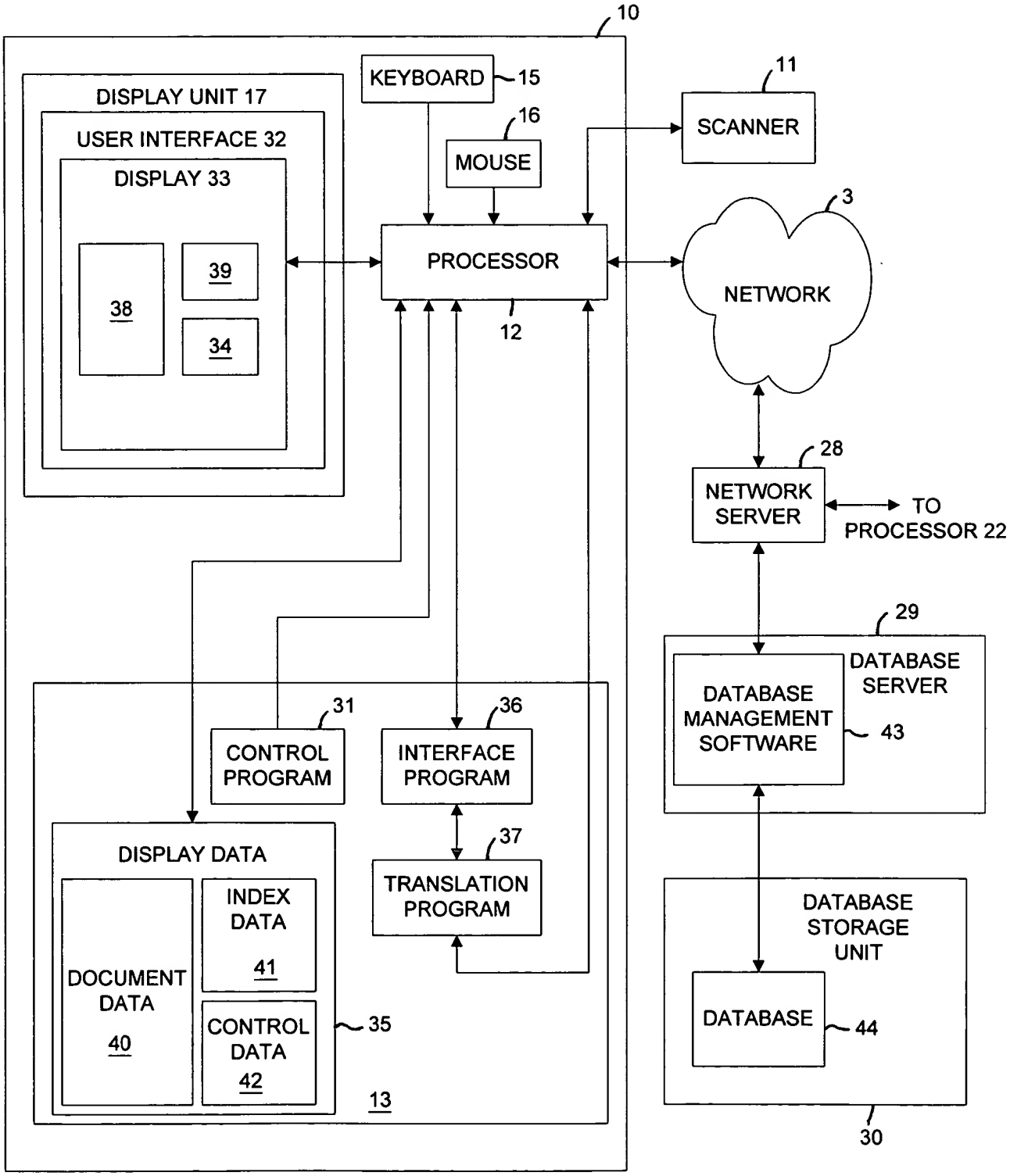

10
KEYBOARD
15
11
SCANNER
DISPLAY UNIT 17
USER INTERFACE 32
DISPLAY 33
16
MOUSE
3
NETWORK
39
38
34
PROCESSOR
12
28
NETWORK SERVER
TO PROCESSOR 22
29
DATABASE SERVER
DATABASE MANAGEMENT SOFTWARE
43
31
CONTROL PROGRAM
36
INTERFACE PROGRAM
37
TRANSLATION PROGRAM
DISPLAY DATA
INDEX DATA
41
DOCUMENT DATA
40
CONTROL DATA
42
35
13
DATABASE STORAGE UNIT
DATABASE
44
30

FIGURE 3

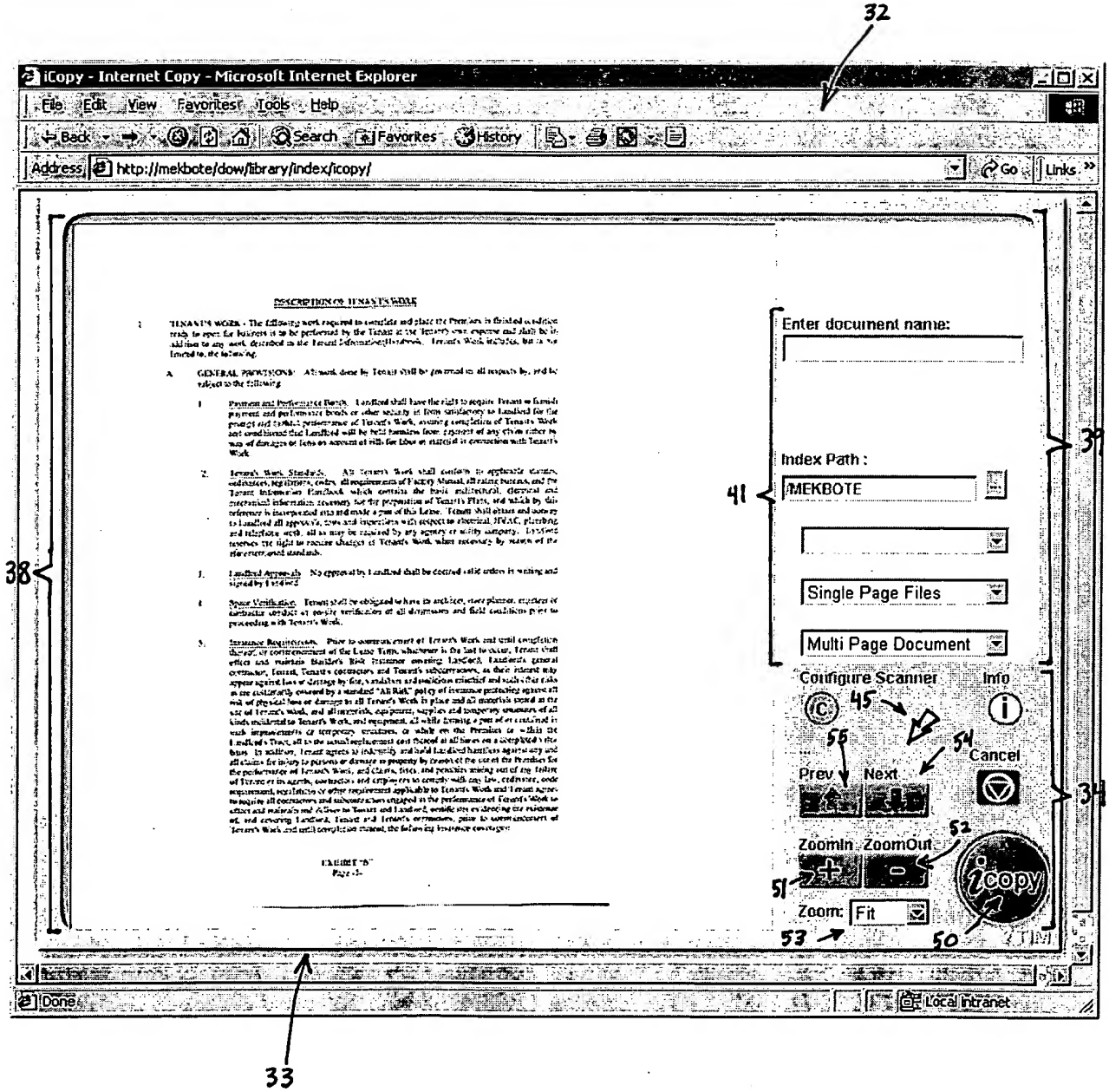

32
iCopy - Internet Copy - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites History
Address http://mekbote/dow/library/index/icopy/
Go Links
Enter document name:
Index Path :
MEKBOTE
Single Page Files
Multi Page Document
Configure Scanner
Info
Prev
Next
Cancel
ZoomIn
ZoomOut
Zoom: Fit
icopy
38
39
41
34
45
55
54
52
51
53
50
33
Done
Local intranet

FIGURE 4

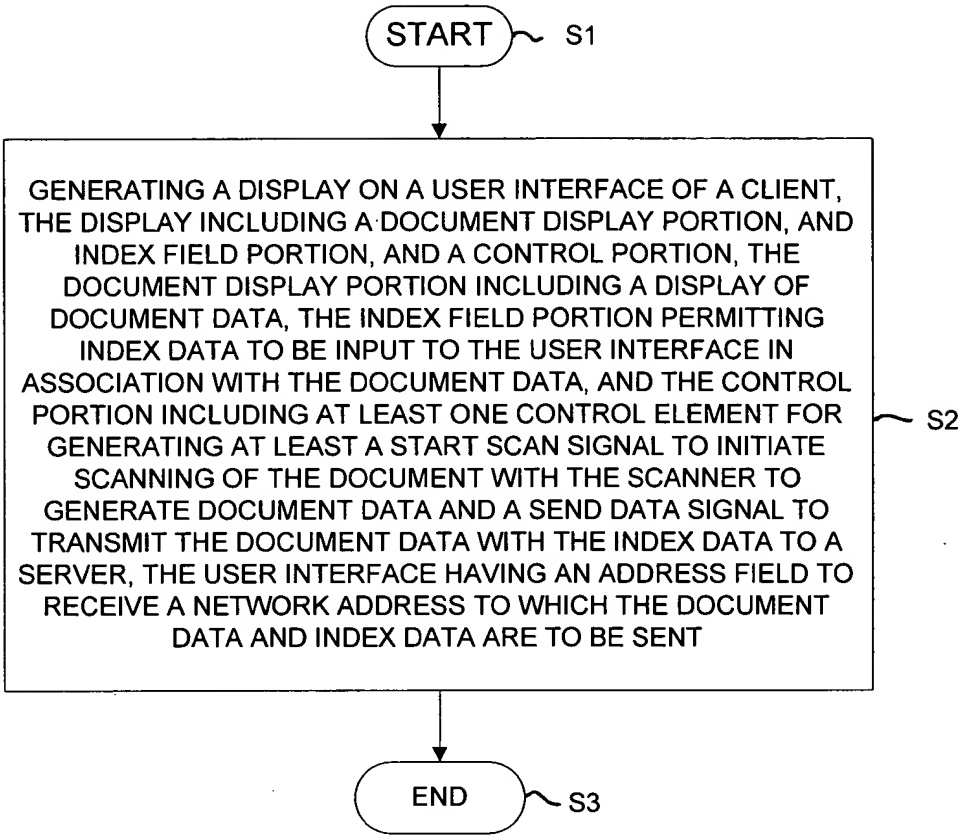

START
S1
GENERATING A DISPLAY ON A USER INTERFACE OF A CLIENT, THE DISPLAY INCLUDING A DOCUMENT DISPLAY PORTION, AND INDEX FIELD PORTION, AND A CONTROL PORTION, THE DOCUMENT DISPLAY PORTION INCLUDING A DISPLAY OF DOCUMENT DATA, THE INDEX FIELD PORTION PERMITTING INDEX DATA TO BE INPUT TO THE USER INTERFACE IN ASSOCIATION WITH THE DOCUMENT DATA, AND THE CONTROL PORTION INCLUDING AT LEAST ONE CONTROL ELEMENT FOR GENERATING AT LEAST A START SCAN SIGNAL TO INITIATE SCANNING OF THE DOCUMENT WITH THE SCANNER TO GENERATE DOCUMENT DATA AND A SEND DATA SIGNAL TO TRANSMIT THE DOCUMENT DATA WITH THE INDEX DATA TO A SERVER, THE USER INTERFACE HAVING AN ADDRESS FIELD TO RECEIVE A NETWORK ADDRESS TO WHICH THE DOCUMENT DATA AND INDEX DATA ARE TO BE SENT
S2
END
S3

FIGURE 5A

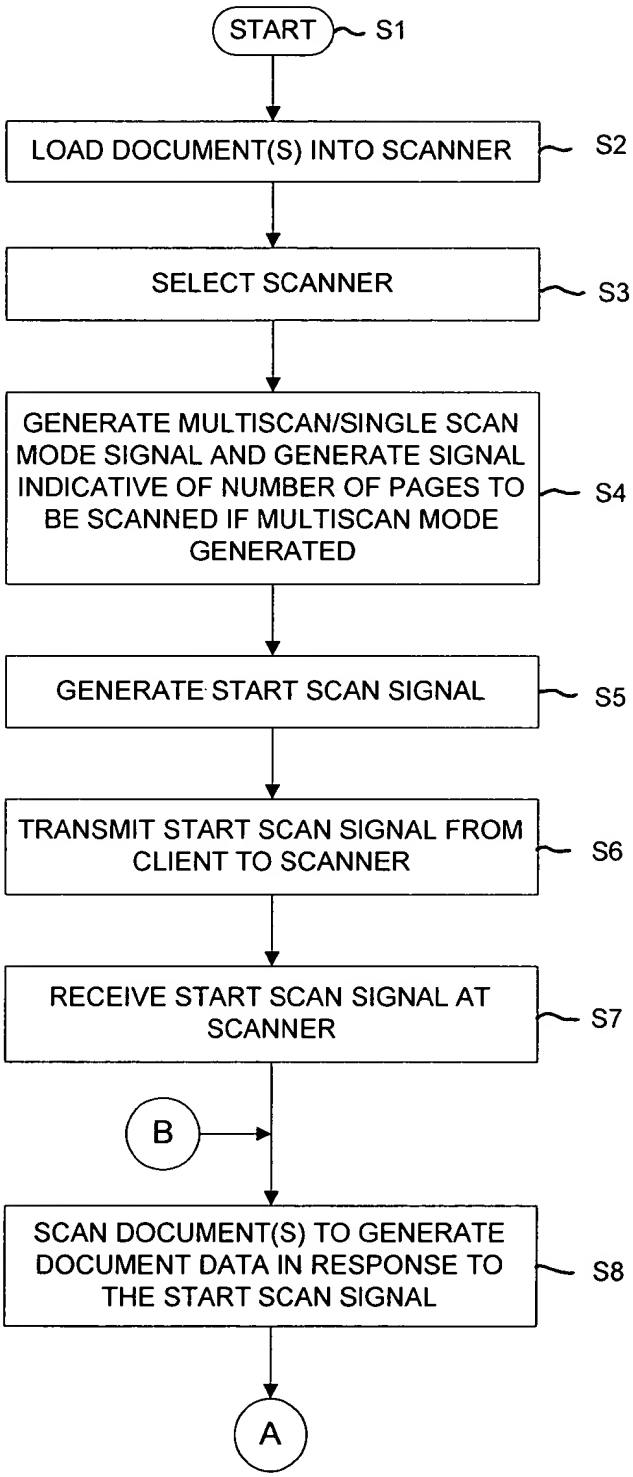

START
S1
LOAD DOCUMENT(S) INTO SCANNER
S2
SELECT SCANNER
S3
GENERATE MULTISCAN/SINGLE SCAN MODE SIGNAL AND GENERATE SIGNAL INDICATIVE OF NUMBER OF PAGES TO BE SCANNED IF MULTISCAN MODE GENERATED
S4
GENERATE START SCAN SIGNAL
S5
TRANSMIT START SCAN SIGNAL FROM CLIENT TO SCANNER
S6
RECEIVE START SCAN SIGNAL AT SCANNER
S7
B
SCAN DOCUMENT(S) TO GENERATE DOCUMENT DATA IN RESPONSE TO THE START SCAN SIGNAL
S8
A

FIGURE 5B

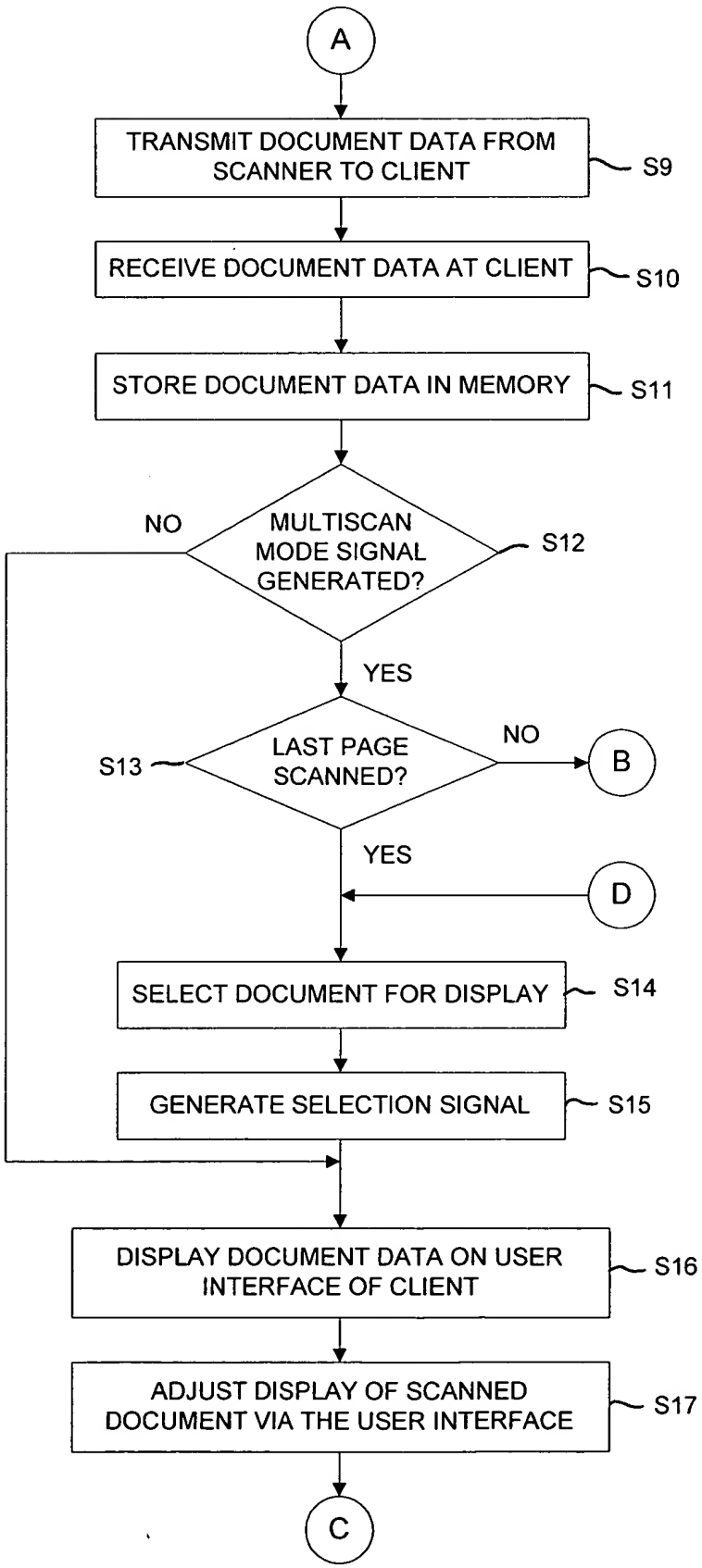
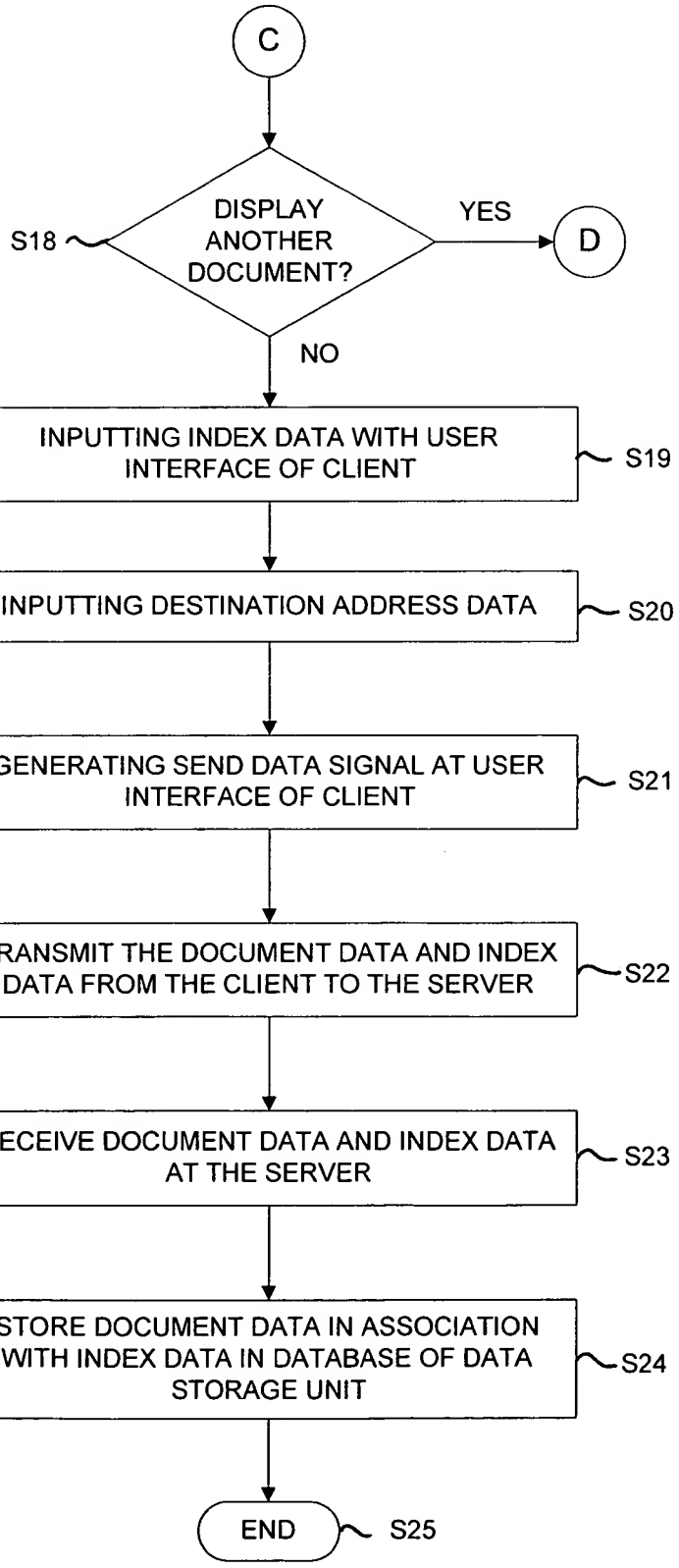

A
TRANSMIT DOCUMENT DATA FROM SCANNER TO CLIENT
S9
RECEIVE DOCUMENT DATA AT CLIENT
S10
STORE DOCUMENT DATA IN MEMORY
S11
MULTISCAN MODE SIGNAL GENERATED?
S12
NO
YES
LAST PAGE SCANNED?
S13
NO
B
YES
D
SELECT DOCUMENT FOR DISPLAY
S14
GENERATE SELECTION SIGNAL
S15
DISPLAY DOCUMENT DATA ON USER INTERFACE OF CLIENT
S16
ADJUST DISPLAY OF SCANNED DOCUMENT VIA THE USER INTERFACE
S17
C

FIGURE 5C


C
DISPLAY ANOTHER DOCUMENT?
S18
YES
D
NO
INPUTTING INDEX DATA WITH USER INTERFACE OF CLIENT
S19
INPUTTING DESTINATION ADDRESS DATA
S20
GENERATING SEND DATA SIGNAL AT USER INTERFACE OF CLIENT
S21
TRANSMIT THE DOCUMENT DATA AND INDEX DATA FROM THE CLIENT TO THE SERVER
S22
RECEIVE DOCUMENT DATA AND INDEX DATA AT THE SERVER
S23
STORE DOCUMENT DATA IN ASSOCIATION WITH INDEX DATA IN DATABASE OF DATA STORAGE UNIT
S24
END
S25